February 26, 2016

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
                                     Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                                     CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of February 29, 2016:

None

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of February 29, 2016 may affect CPC:

RFC #1740 – bufrlib v11.0.2 – Build bufrlib on WCOSS with the C and Fortran compilers for both Intel and Cray. Bufrlib will be installed on the WCOSS Phase 2 and XC40 systems. To be implemented on March 1 at 1430Z.

The following NCO RFCs are in progress and may affect CPC:

None

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of February 29, 2016:

RFC #590 – Stop sending NAWIPS data to NESDIS/STAR. STAR needed this
data during their Jan. 15 – Feb. 15, 2016 Winter Experiment aboard a NOAA P3
aircraft. That experiment has ended. To be implemented on February 29 at
1230Z.

RFC #591 - Modify all GFS/GDAS versions of "EMSL" (Mean Sea-level pressure
calculated via the Eta model method) to be unsmoothed over the oceans and very
smoothed over land. Add compare height versions with 2 mb spacing where
missing (green, purple, red, white and yellow.) To be implemented on March 1 at
1330Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of February 29, 2016 may
affect OPC:

RFC #1735 – WCOSS Dataflow v2.1.2 - The DBNet mirror software is being
modified to begin retrieving a list of active ship information from the National
Data Buoy Center (NDBC) for use on WCOSS at the request of EMC. The
current production master ship file, used in production of global monthly statistics
for surface marine platforms, is being updated as well. This latter update was
requested by OPC. To be implemented beginning February 29 at 1300Z and
should be completed by 1300Z on March 3.

RFC #1740 – bufrlib v11.0.2 – Build bufrlib on WCOSS with the C and Fortran
compilers for both Intel and Cray. Bufrlib will be installed on the WCOSS Phase
2 and XC40 systems. To be implemented on March 1 at 1430Z.

RFC #1746 – NCOSRV Dataflow v2.15.1 - The DBNet software on NCOSRV is being modified to keep 2 additional cycles of the North American Ensemble Forecast System GEMPAK datasets on the NCWCP NetApp as requested by WPC. This will bring the total number of cycles kept to 4. To be implemented on March 3 at 1300Z.

RFC #1747 – WCOSS Dataflow v2.1.3 - The DBNet mirror software on WCOSS is being modified to stop populating the /dcom/us007003/nogaps directory with NAVGEM data from NWSTG since this data pull is redundant. NAVGEM data will be stored in /dcom/us007003/navgem.   To be implemented on March 3 at 1300Z.

The following NCO RFCs are in progress and may affect OPC:

None

The following NCO RFCs, which may affect OPC, were approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. The Navy hopes to upgrade HYCOM in FY16Q3. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of February 29, 2016:

RFC #592 – Upgrade the WPC forecast verification system (fvs) to v2016.02. Executable files, scripts, and text files for fvs will be updated on the server to give users access to new features. This has no direct effect on any operational script or product. To be implemented on March 3 at 1200Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of February 29, 2016 may affect WPC:

RFC #1740 – bufrlib v11.0.2 – Build bufrlib on WCOSS with the C and Fortran compilers for both Intel and Cray. Bufrlib will be installed on the WCOSS Phase 2 and XC40 systems. To be implemented on March 1 at 1430Z.

RFC #1741 – pcpanl v2.2.1 - Correct the River Forecast Center domain masks used with the Stage IV/URMA to fill in some small gaps in coverage (unapparent in GrADS and GEMPAK visuals), and make a change to allow 6-hourly QPE to be used as a backup when the hourly QPE from the Central/Eastern RFCs is unavailable. To be implemented on March 1 at 1500Z.

RFC #1746 – NCOSRV Dataflow v2.15.1 - The DBNet software on NCOSRV is being modified to keep 2 additional cycles of the North American Ensemble Forecast System GEMPAK datasets on the NCWCP NetApp as requested by WPC. This will bring the total number of cycles kept to 4. To be implemented on March 3 at 1300Z.

RFC #1747 – WCOSS Dataflow v2.1.3 - The DBNet mirror software on WCOSS is being modified to stop populating the /dcom/us007003/nogaps directory with NAVGEM data from NWSTG since this data pull is redundant. NAVGEM data will be stored in /dcom/us007003/navgem.   To be implemented on March 3 at 1300Z.

The following NCO RFCs are in progress and may affect WPC:

None

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.